

1642



PATENT

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Florence Thys-Dorquet

Applicant: Schor et al.
Serial No.: 09/581,651
Filed: June 15, 2000
Title: Polypeptides, Polynucleotides and Uses Thereof
Examiner: Steven L. Rawlings
Group Art Unit: 1642

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

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U.S. Patent Documents

4,980,279	5,300,630
5,049,658	5,571,679
5,124,155	5,629,291

Foreign Patent Documents:

EPO 0 207 751	PCT WO 94/16085
EPO 0 344 134	PCT WO 99/02674
PCT WO 90/00567	

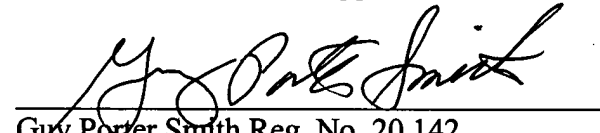
We bring these foreign language documents to the examiner's attention with a concise explanation of the relevance of each document, as the individual designated in 37 C.F.R.

§ 1.56(c) as most knowledgeable about the content of the information of each document presently understands it.

We also enclose 22 relative publications and articles for consideration.

We request that the examiner show that he or she considered the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks, and that the examiner make the references of record as cited references in the application.

March 18, 2002



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/581,651
Filing Date	June 15, 2000
First Named Inventor	Schor et al.
Art Unit	1642
Examiner Name	Steven L. Rawlings
Attorney Docket Number	350013-72

1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	1	US-4,980,279	12/25/90	PETERS et al.
	2	US-5,049,658	09/17/91	KIMIZUKA et al.
	3	US-5,124,155	06/23/92	REICH, Cary
	4	US-5,300,630	04/05/94	MATSUURA et al.
	5	US-5,571,679	11/05/96	SEKIGUCHI et al.
	6	US-5,629,291	05/13/97	RUOSLAHTI et al.

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	7 ✓	EPO - 0 207 751	06/27/86	BARELLA, Francisco
	8 ✓	EPO - 0 344 134	05/25/89	ZARDI, Luciano
	9 ✓	PCT - WO 90/00567	01/25/90	SCHOR et al.
	10 ✓	PCT- WO 94/16085	07/21/94	IRANI, Meher
	11	PCT - WO 99/02674	01/21/99	SCHOR, Seth

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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/581,6511
		Filing Date	June 15, 2000
		First Named Inventor	Schor et al.
		Group Art Unit	1642
		Examiner Name	Stephen L. Rawlings
Sheet 1 of 3	Attorney Docket Number	350013-72	

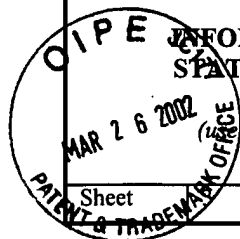
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	2
	12	KORNBLIHTT, et al., Primary structure of h man fibronectin: differential splicing may generate at least 10 polypeptides from a single gene, EMBO Sequence Database Accession No. X0271; 4:1755-1759(1985)	
	13	KORNBLIHTT et al., Primary structure of h man fibronectin: differential splicing may generate at least 10 polypeptides from a single gene, EMBO, (USA) vol. 4 pp. 1755-1759 (1985)	
	14	KORNBLIHTT et al., SWISSPROT Sequence Database Accession No. P02751, (1986)	
	15	PIRI Sequence database (1985) Accession Ref. FNHU	
	16	DEAN et al., Cloning and analysis of the promoter region of the human fibronectin gene; Proc. Natl. Acad. Sci, USA, Vol. 84, pp. 1876-1880, April 1987	
	17	HYNES et al., EMBL Data library PIR2 AccessionNo. S14428, 1989	
	18	DESIMONE et al., Identification and characterization of alternatively spliced fibronectin mRNAs expressed in early Xenopus embryos, SWISSPROT Database Accession Ref. FINC_XENLA, Dev. Biol. vol. 149 pp. 357-369 (1992)	
	19	SCHOR, Fibroblast subpopulations as accelerators of tumor progression: The role of migration stimulating factor, Epithelial-Mesenchymal Interactions in Cancer, 1995 pp. 273-296, Switzerland	
	20	SCHOR et al., Migration stimulating factor (MSF): Its structure mode of action and possible function i health and disease; The Society of Experimental Biology 1993, pp. 235-251, UK	
	21	GREY et al., Purification of the migration stimulating factor produced by fetal and breast cancer patients fibroblasts, Proc. Natl. Acad. Sci, USA, Vol. 86, pp. 2438-2422, April 1989	
	22	SCHOR et al., Fetal-like fibroblasts: their production of migration stimulating factor and role in tumor progression, Mammary Tumorigenesis and Malignant Progression, pp. 277-298, 1994	
	23	IRWIN et al., Inter-and intra-site heterogeneity in the expression of fetal-like phenotypic characteristic by gingival fibroblasts: potential significance for wound healing, Journal of Cell Science, Vol 107, p 1333-1346 (1994) UK	
	24	SCHOR et al., Phenotypic heterogeneity in breast fibroblasts: Functional anomaly in fibroblasts from histologically normal tissue adjacent to carcinoma, Int. J. Cancer, Vol. 59, pp. 25-32 (1994)	
	25	PICARDO et al., Migration stimulating activity in serum of breast cancer patients, The Lancet, Vol. 337, pp. 130-134, January 19, 1991	

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Stephen L. Rawlings

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26	✓	ELLIS et al., Antagonistic effects of TGF-β1 and MSF on fibroblast migration and hyaluronic acid synthesis, Possible implications for dermal wound healing, Journal of Cell Science, Vol. 102, pp. 447-45 (1992) UK	
27	✓	PICARDO et al., Detection of migration stimulating activity in wound fluid, Experimental and Molecular Pathology Vol. 57, pp 8-21 (1992)	
28	✓	SCHOR et al., Heterogeneity amongst fibroblasts in the production of migration stimulating factor (MSF): Implications for cancer pathogenesis, Cell Motility Factors, pp. 127-146, 1992	
29	✓	SCHOR et al., Fibroblasts from cancer patients display a mixture of both fetal and adult-like phenotypic characteristics; Journal of Cell Science, Vol. 90, pp. 401-407 (1988) UK	
30	✓	SCHOR et al., Fetal and cancer patient fibroblasts produce an autocrine migration stimulating factor not made by normal adult cells, Journal of Cell Science, Vol. 90, pp. 391-399 (1988) UK	
31	✓	SCHOR et al., Characterization of migration-stimulating factor (MSF): Evidence of its role in cancer pathogenesis, Cancer Investigation Vol. 8(6), pp. 665-667, (1990)	
32	✓	SCHOR et al., Mechanism of action of the migration stimulating factor produced by fetal and cancer patient fibroblasts: Effect on hyaluronic acid synthesis, In Vitro Cellular Development and Biology, Vol. 25, Number 8, pp. 737-746, August 1989	

Examiner
Signature

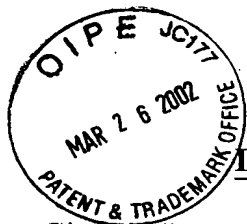
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Information Disclosure Statement for US 09/581,651

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Cited in International Search Report or Written Opinion

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- #10 1. WO94/16085
- #9 2. WO90/00567
- #13 3. Kornblihtt *et al* (1985) EMBL Sequence Database Accession No X02761
- #13 4. Kornblihtt *et al* (1985) *EMBO J* 4(7), 1755-1759
- #14 5. Kornblihtt *et al* (1986) SWISSPROT Sequence Database Accession No P02751
- #7 6. EP 0 207 751 A
- #15 7. PIRI Sequence Database (1985) Accession Ref FNHU
- #16 8. Dean *et al* (1987) *PNAS USA* 84, 1876-1880
- #8 9. EP 0 344 134 A
- #5 10. US 5,571,679
- #6 11. US 5,629,291
- #17 12. Hynes *et al* (1989) EMBL Data library PIR2 Accession No S14428
- #18 13. Desimone *et al* (1997) SWISSPROT Database Accession Ref FINC_XENLA

Other documents

- #21 14. Schor *et al* (1993) in *Cell behaviour: Adhesion and Motility* (ed G. Evans, C. Wigley & R. Warn) Society for Experimental Biology Symposium No 47, pp 235-251
- #19 15. Schor (1995) in *Epithelial-Mesenchymal Interactions in Cancer*, Ed Foldberg & Rosen, pp 273-296
- #7 16. Grey *et al* (1989) *PNAS USA* 86, 2438-2442

- #23 ✓ 17. Schor *et al* (1994) in Mammary Tumorigenesis and Malignant Progression, Ed Dickson & Lippman, pp 277-298
- #23 18. Irwin *et al* (1994) *J Cell Sci* **107**, 1333-1346
- #24 19. Schor *et al* (1994) *Int J Cancer* **59**, 25-32
- #25 20. Picardo *et al* (1991) *Lancet* **337**, 130-133
- #26 21. Ellis *et al* (1992) *J Cell Sci* **102**, 447-456
- #27 22. Picardo *et al* (1992) *Exp Mol Pathol* **57**, 8-21
- #28 23. Schor *et al* (1991) in Cell Motility Factors, Ed Goldberg pp127-146
- #29 24. Schor *et al* (1988) *J Cell Sci* **90**, 401-407
- #30 25. Schor *et al* (1988) *J Cell Sci* **90**, 391-399
- #31 26. Schor & Schor (1991) *Cancer Invest* **8(6)**, 665-667
- #32 ✓ 27. Schor *et al* (1989) *In Vitro* **25**, 737-746
- #4 28. US 5,300,630
- #1 29. US 4,980,279
- #✓ 30. US 5,049,658.
- #3 31. US 5,124,155
- #11 32. WO99/02674.